

IN THE CLAIMS

Please amend claims 25, 28 and 30 as follows:

Claims 1-24. (Canceled)

1           25. (Currently Amended) A method of generating an alarm on an occurrence of a cell  
2           secession of a mobile station located within a common cell area of a public and private radio  
3           mobile communication system, the method comprising:  
4                 receiving power-related information transmitted from the mobile station during a call  
5           and detecting information about the frame quality from the received information;  
6                 comparing the frame quality information with a power control parameter value of the  
7           system;  
8                 determining whether the mobile station [[is]] has been registered in the private  
9           wireless communication service system to facilitate the mobile station to use the private  
10          radio communication system upon a determination that a power level of the mobile station  
11          is less than a predetermined reference power level;  
12                 transmitting information for generating an alarm on an occurrence of a cell secession  
13          to the corresponding mobile station upon a determination that the mobile station [[is]] has  
14          been registered in the private radio mobile communication system; and

15           handing off the corresponding mobile station call to another cell upon a determination  
16   that the mobile station ~~[[is]]~~ has not been registered in the private radio mobile  
17   communication system.

1           26. (Previously Presented) The method as claimed in claim 25, wherein transmitting  
2   the cell secession alarm information to the mobile station comprises transmitting a  
3   predetermined tone control message over a forward traffic channel.

1           27. (Previously Presented) The method as claimed in claim 25, the power-related  
2   information including at least one of a power measurement report message as to the received  
3   power level from the mobile station and an erasure indicator bit as to an error detected field.

1           28. (Currently Amended) A method comprising:  
2           receiving in a base station of a public and private radio mobile communication system  
3   a power control parameter of a mobile station located within a common cell area of the  
4   public and private radio mobile communication system from a base station controller of the  
5   mobile communication system;  
6           receiving power-related information in the base station during a call, the power-  
7   related information being related to a received power level of the base station at the mobile  
8   station and being generated and transmitted from the mobile station to the base station;

9 the base station detecting information as to a frame quality by determining a forward  
10 frame error rate from the received power-related information;

11 comparing the determined forward frame error rate with a value corresponding to the  
12 power control parameter received from the corresponding base station controller to provide  
13 a determined power level of the mobile station;

14 determining when the determined power level of the mobile station decreases below  
15 a predetermined reference power level indicating that the mobile station has seceded from  
16 a selected cell of the mobile communication system;

17 determining whether the mobile station [[is]] has been registered in the private radio  
18 mobile communication system to facilitate the mobile station to use the private radio  
19 communication system when the determined power level of the mobile station is less than  
20 the predetermined reference power level;

21 transmitting information for generating an alarm on an occurrence of a cell secession  
22 to the corresponding mobile station upon a determination that the mobile station [[is]] has  
23 been registered in the private radio mobile communication system; and

24 handing off the corresponding mobile station call to another cell upon a determination  
25 that the mobile station [[is]] has not been registered in the private radio mobile  
26 communication system.

1           29. (Previously Presented) The method as claimed in claim 28, the power-related  
2 information including at least one of a power measurement report message as to the received  
3 power level from the mobile station and an erasure indicator bit as to an error detected field.

1           30. (Currently Amended) An apparatus comprising:

2           a base station of the mobile communication system adapted to receive power-related  
3 information transmitted from a mobile station during a call, the mobile station being located  
4 within a common cell area of a public and private radio mobile communication system, the  
5 power-related information being related to a received power level of the base station at the  
6 mobile station and being generated and transmitted from the mobile station to the base  
7 station;

8           an analyzer adapted to analyze the received power-related information to determine  
9 when a power level of the mobile station decreases below a predetermined reference power  
10 level indicating that the mobile station has seceded from a selected cell of the mobile  
11 communication system;

12           the analyzer also adapted to determine whether the mobile station [[is]] has been  
13 registered in the private radio mobile communication system to facilitate the mobile station  
14 to use the private radio communication system upon a determination that a power level of  
15 the mobile station is less than a predetermined reference power level;

16           a transmitter adapted to transmit cell secession alarm information for generating an  
17 alarm on an occurrence of a cell secession to the corresponding mobile station upon a

18 determination that the mobile station [[is]] has been registered in the private radio mobile  
19 communication system; and

20 the base station handing off the corresponding mobile station call to another cell upon  
21 a determination that the mobile station [[is]] has not been registered in the private radio  
22 mobile communication system.

1 31. (Previously Presented) The apparatus as claimed in claim 30, wherein the  
2 transmitter is adapted to transmit a predetermined tone control message over a forward  
3 traffic channel of the mobile communication system indicating that the mobile station has  
4 seceded from the selected cell of the mobile communication system.